

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A camera incorporating therein an aperture member which is variable in an aperture caliber including a completely closed condition and changes over to an aperture caliber after an alteration with a predetermined response speed in accordance with an alteration instruction of the aperture caliber, wherein a subject light incident through an aperture of the aperture member is received by an imaging device to create image data, the camera comprising:

a sensor that monitors the aperture caliber of the aperture member;

an aperture control section that controls the aperture caliber of the aperture member;

a photometry section that measures brightness of field in accordance with light quantity of received light by the imaging device, and

an exposure control section that controls an exposure in accordance with the brightness of field measured by the photometry section,

wherein the photometry section measures the brightness of field when the aperture member is of a predetermined first aperture caliber which is a relatively large aperture caliber, and measures the brightness of field in halfway through change over of the aperture member from the first aperture caliber to a predetermined second aperture caliber which is relatively smaller than the first aperture caliber when a photometry of the brightness of field is impossible because of an exposure over with the first aperture caliber, and

wherein the exposure control section controls the exposure in accordance with the brightness of field measured by the photometry section and an aperture caliber in a photometric

timing of the brightness of field, of the aperture member, which is monitored by the sensor, when the photometry section measures the brightness of field in halfway through change over of the aperture member from the first aperture caliber to the second aperture caliber.

2. (original): A camera according to claim 1, wherein the camera further comprises a photography timing control section that performs photography in a state that the aperture member is in the first aperture caliber and in a state that the aperture member is steadied to the second aperture caliber in accordance with whether a photometry of the brightness of field, wherein the aperture member is in the first aperture caliber, is possible or impossible, and wherein the exposure control section controls a shutter speed.

3. (original): A camera according to claim 1, wherein the camera further comprises a photography timing control section that performs photography in a state that the aperture member is in the first aperture caliber and performs photography regardless of a state that the aperture member is steadied to the second aperture caliber in accordance with whether a photometry of the brightness of field, wherein the aperture member is in the first aperture caliber, is possible or impossible, and

wherein the exposure control section controls a shutter speed, and in a case where a measurement of the brightness of field is impossible when the aperture member is in the first aperture caliber, the exposure control section controls the shutter speed in accordance with the brightness of field measured by the photometry section in halfway through change over of the aperture member from the first aperture caliber to the second aperture caliber, an aperture caliber in a photometric timing of the brightness of field, of the aperture member, which is monitored by

the sensor, and an aperture caliber in a photographic timing, of the aperture member, which is monitored by the sensor.

4. (original): A camera incorporating therein an aperture member which is variable in an aperture caliber including a completely closed condition and changes over to an aperture caliber after an alteration with a predetermined response speed in accordance with an alteration instruction of the aperture caliber, wherein a subject light incident through an aperture of the aperture member is received by an imaging device to create image data, the camera comprising:

an aperture control section that controls the aperture caliber of the aperture member;
a photometry section that measures brightness of field in accordance with light quantity of received light by the imaging device, and
an exposure control section that controls an exposure in accordance with the brightness of field measured by the photometry section,

wherein the photometry section measures the brightness of field when the aperture member is of a predetermined first aperture caliber which is a relatively large aperture caliber, and measures the brightness of field in halfway through change over of the aperture member from the first aperture caliber to a predetermined second aperture caliber which is relatively smaller than the first aperture caliber when a photometry of the brightness of field is impossible because of an exposure over with the first aperture caliber,

wherein the camera further comprises a photography timing control section that performs photography in a state that the aperture member is in the first aperture caliber and performs photography regardless of a state that the aperture member is steadied to the second aperture

caliber in accordance with whether a photometry of the brightness of field, wherein the aperture member is in the first aperture caliber, is possible or impossible, and

wherein the exposure control section controls a shutter speed, and in a case where a measurement of the brightness of field is impossible when the aperture member is in the first aperture caliber, the exposure control section controls the shutter speed regarding as the brightness of field measured by the photometry section in halfway through change over of the aperture member from the first aperture caliber to the second aperture caliber being measured when the aperture member is in the second aperture caliber, and an exposure is corrected on the created image data.

5. (new): A camera according to claim 1, wherein the exposure control section determines in accordance with the brightness of field measured by the photometry section whether there are areas in which luminance on an imaging device cannot be grasped; and

wherein if there is no area in which luminance on the imaging device cannot be grasped, the shutter speed associated with an open end aperture caliber is computed.

6. (new): A camera according to claim 5, wherein if there are areas in which luminance on the imaging device cannot be grasped, the aperture caliber changes from the open end aperture caliber to a stop side aperture caliber; and

wherein after a lapse of a predetermined amount of time from the start of the aperture caliber change from the open end to the stop side aperture caliber, the exposure control section instructs the photometry section to measure the brightness of field.